深圳市千目通讯科技有限公司

Shenzhen Qianmu Communication Technology Co., Ltd.

Antenna specification

Applicable model			
Customer			
Specification description			
	Product content	**Specification**	**Customer material code**
Specification description	2.4 G antenna	Onboard	

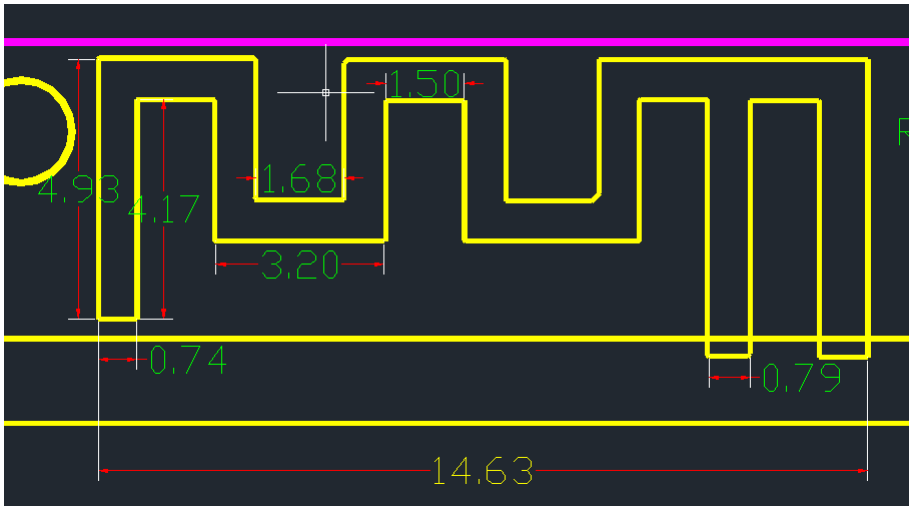
Change resume			
Serial number	**Date**	**Version**	**Brief introduction of changes**
1	2022-01-13	V1.0	New project
2			
3			

Supplier sample confirmation			
R&D	**Structure**	**Audit**	**Judge**
			PASS☑ FAIL☐

Customer sample confirmation					
Electron	**Structure**	**Project**	**Procurement**	**Quality**	**Audit**

Reasons for rejection or other precautions:

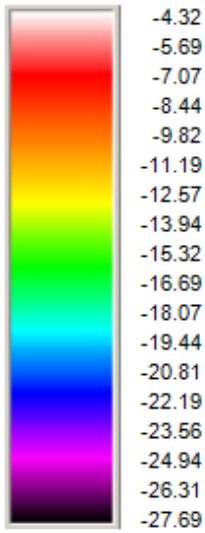
1、Antenna Photo & Length (mm)



2、Antenna gain and efficiency

Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Point Values											
Ant. Port Input Pwr. (dBm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tot. Rad. Pwr. (dBm)	-10.36	-10.71	-10.95	-11.05	-11.29	-11.34	-11.57	-12.00	-12.13	-12.18	-12.43
Peak EIRP (dBm)	-4.32	-4.75	-5.15	-5.35	-5.59	-5.59	-5.76	-6.11	-6.23	-6.36	-6.68
Directivity (dBi)	6.04	5.96	5.80	5.70	5.70	5.75	5.81	5.89	5.90	5.83	5.75
Efficiency (dB)	-10.36	-10.71	-10.95	-11.05	-11.29	-11.34	-11.57	-12.00	-12.13	-12.18	-12.43
Efficiency (%)	9.20	8.50	8.00	7.90	7.40	7.30	7.00	6.30	6.10	6.10	5.70
Gain (dBi)	-4.32	-4.75	-5.15	-5.35	-5.59	-5.59	-5.76	-6.11	-6.23	-6.36	-6.68
NHPRP ±Pi/4 (dBm)	-11.34	-11.70	-11.95	-12.06	-12.30	-12.33	-12.56	-12.99	-13.12	-13.19	-13.44
NHPRP ±Pi/6 (dBm)	-12.63	-13.00	-13.26	-13.37	-13.62	-13.65	-13.89	-14.34	-14.49	-14.59	-14.87
NHPRP ±Pi/8 (dBm)	-13.62	-14.00	-14.26	-14.39	-14.65	-14.70	-14.95	-15.41	-15.59	-15.71	-16.01
Upper Hem. PRP (dBm)	-16.13	-16.53	-16.81	-16.96	-17.23	-17.24	-17.47	-17.92	-18.05	-18.06	-18.22
Lower Hem. PRP (dBm)	-11.70	-12.03	-12.25	-12.34	-12.57	-12.63	-12.86	-13.28	-13.41	-13.48	-13.76
Upper Hem. PRP (%)	2.44	2.22	2.09	2.01	1.89	1.89	1.79	1.61	1.57	1.56	1.51
Lower Hem. PRP (%)	6.77	6.27	5.96	5.84	5.53	5.46	5.17	4.69	4.56	4.49	4.21

3、Apple map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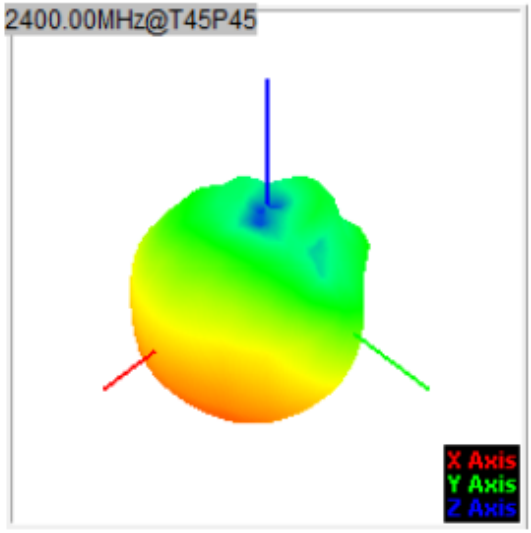
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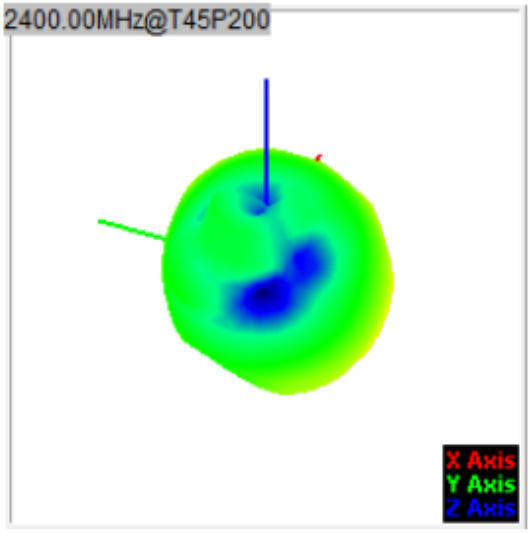
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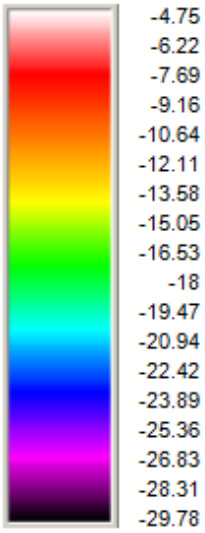
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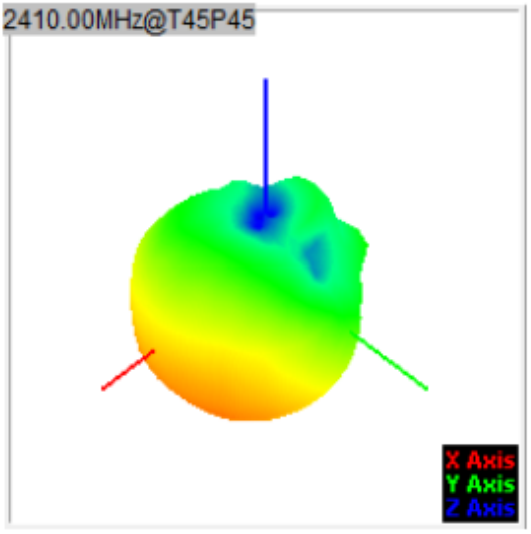
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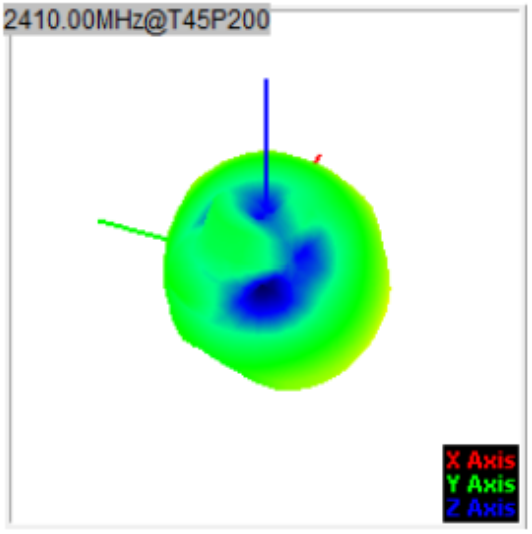
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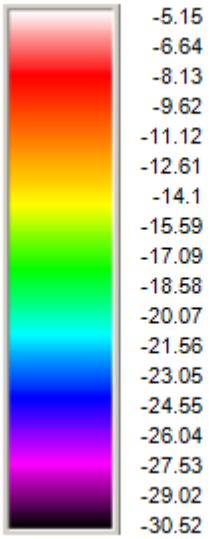
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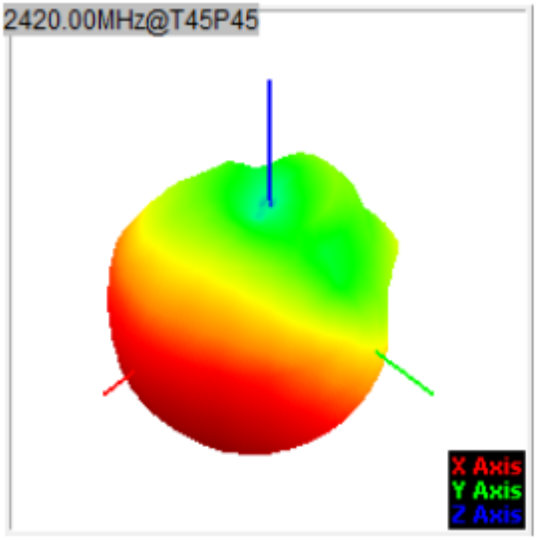
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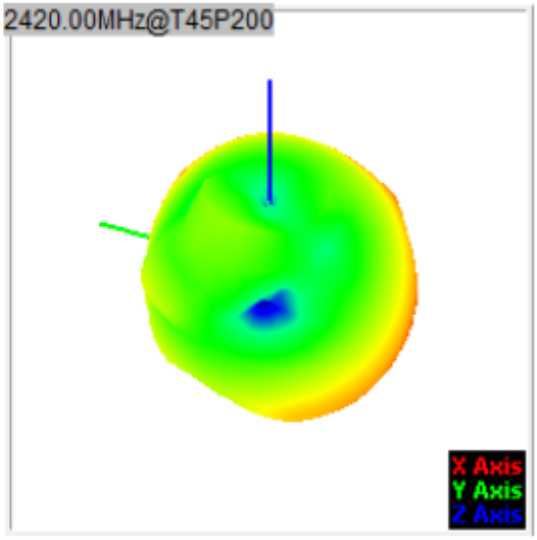
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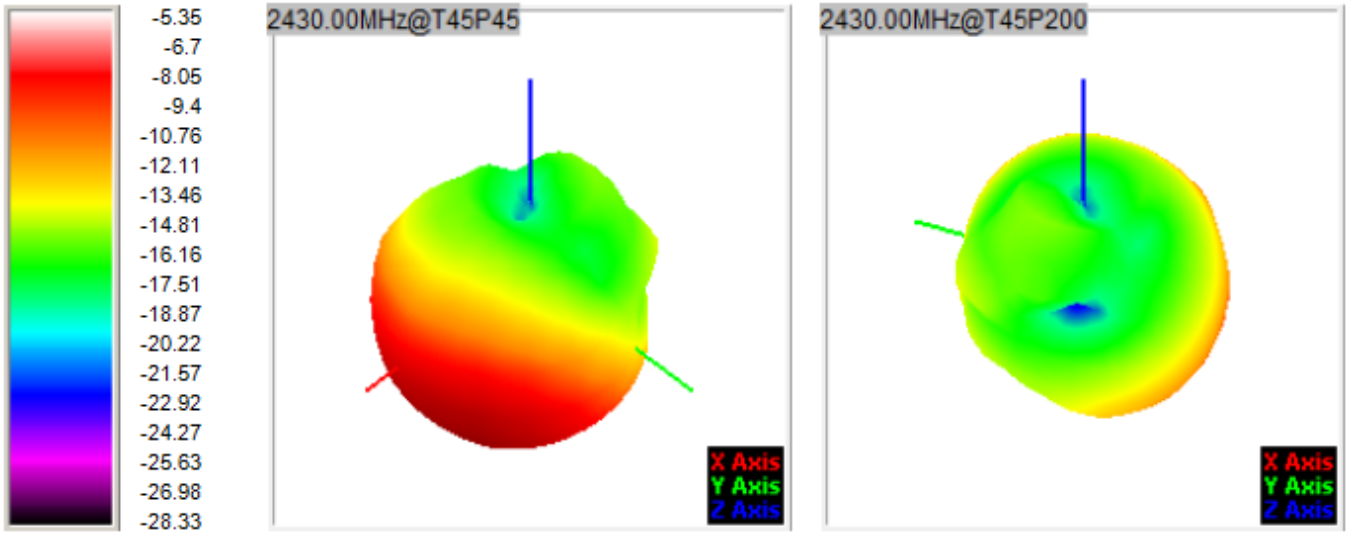
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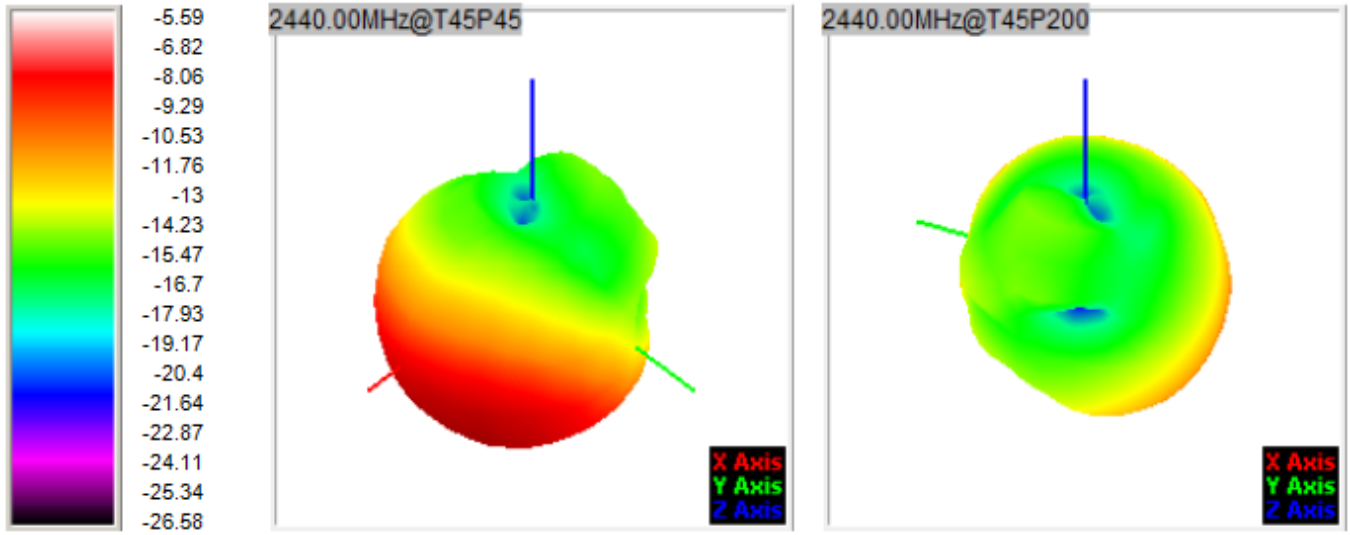
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Y Axis
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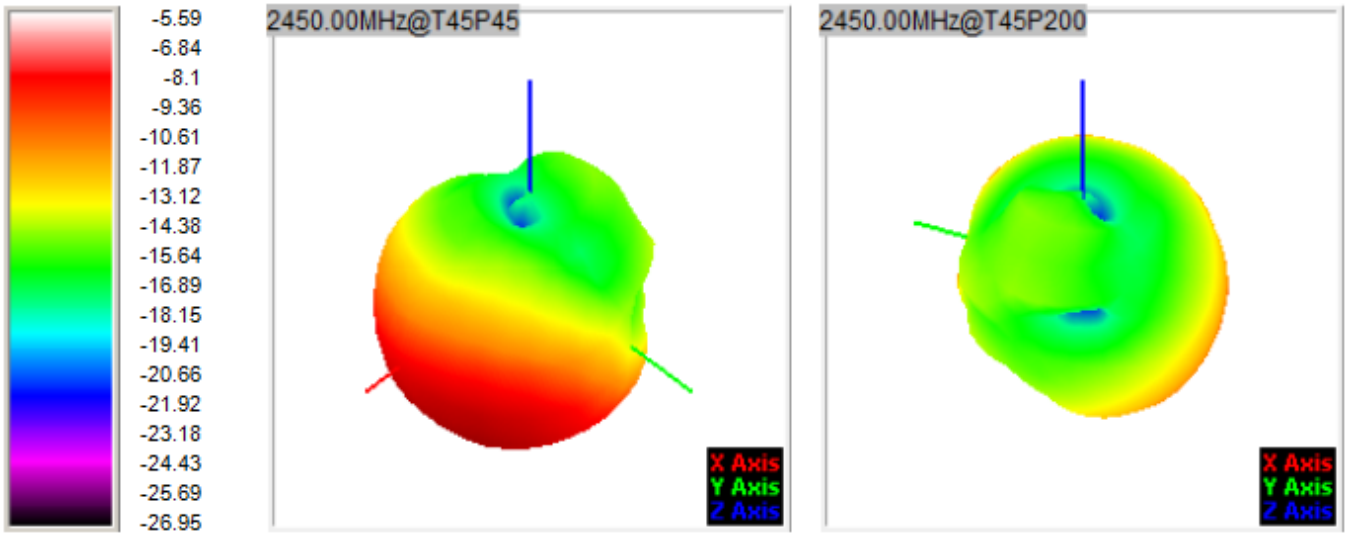
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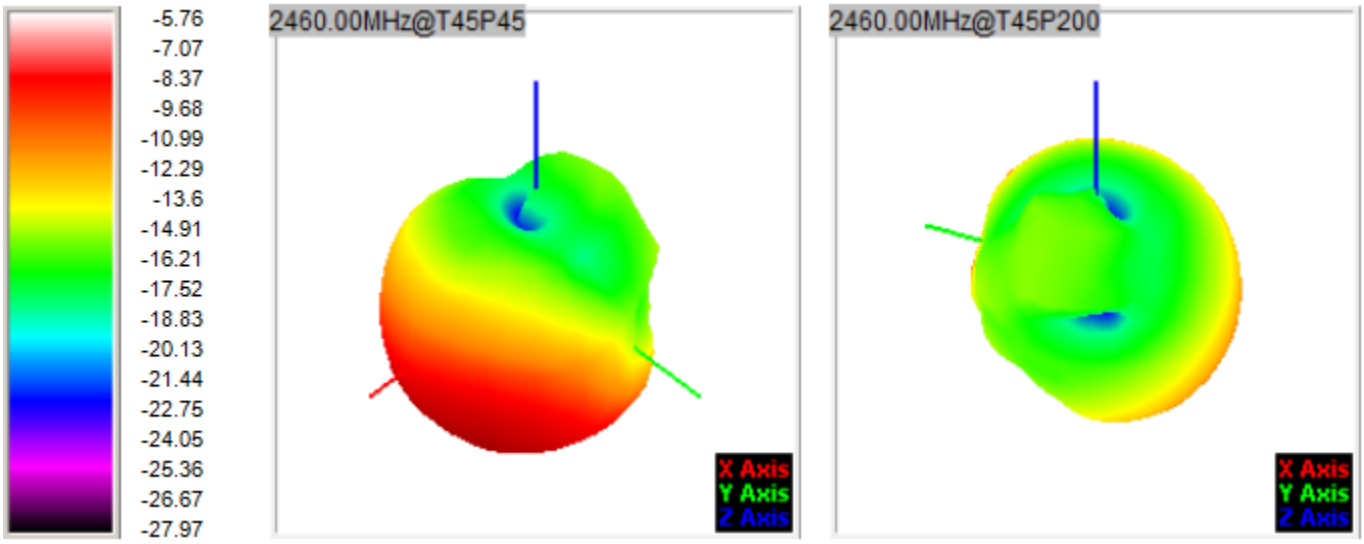
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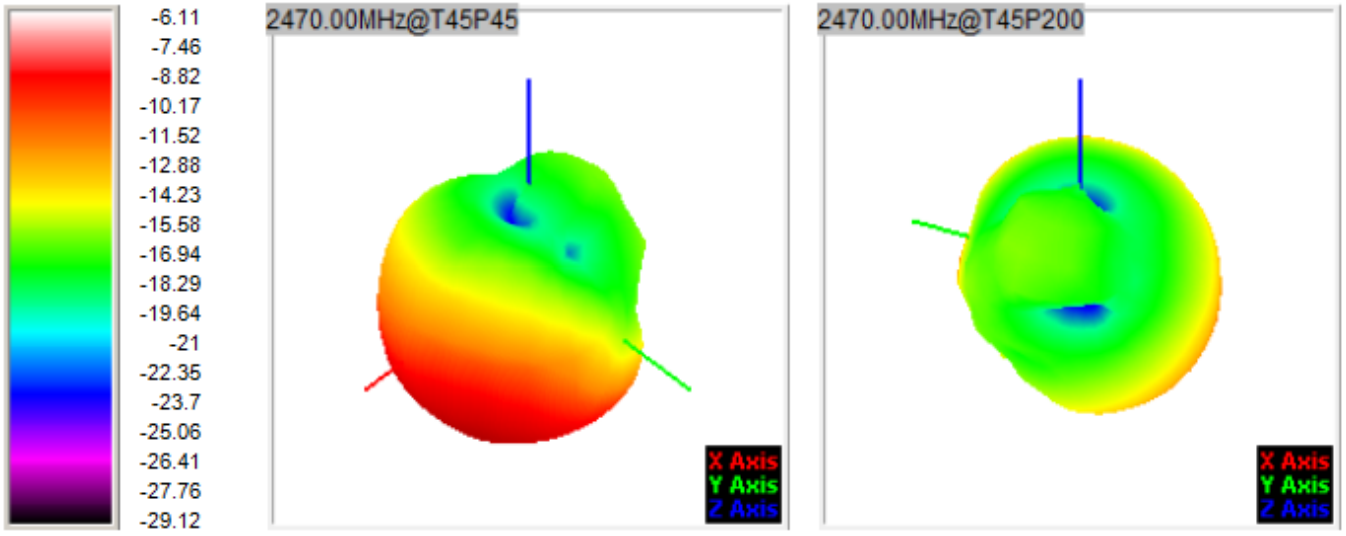
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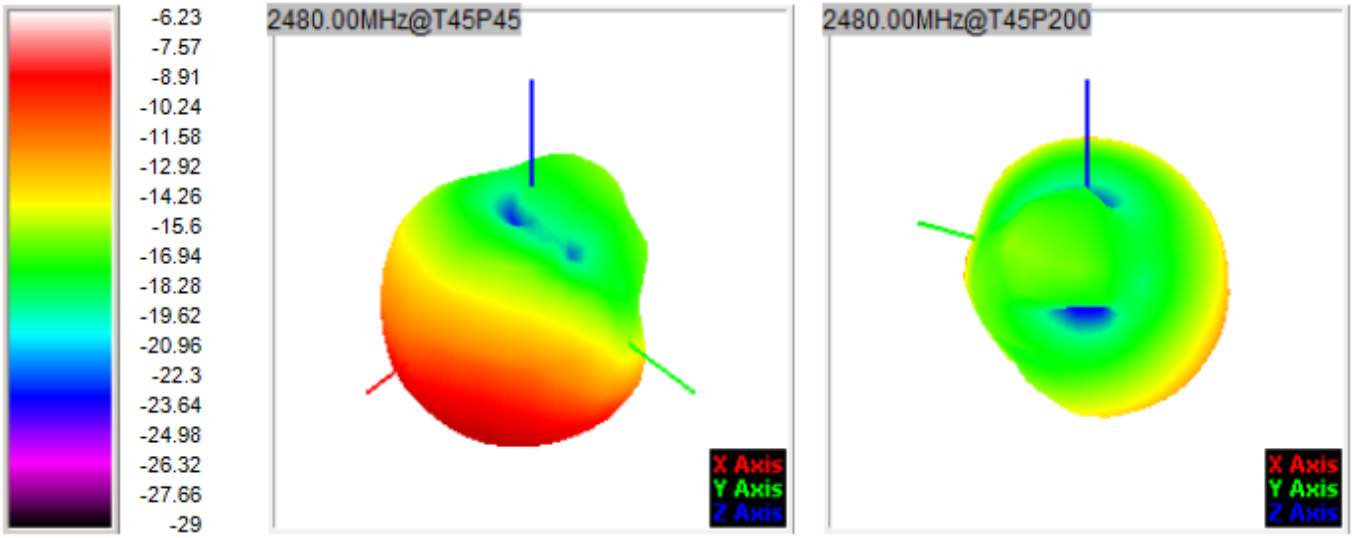
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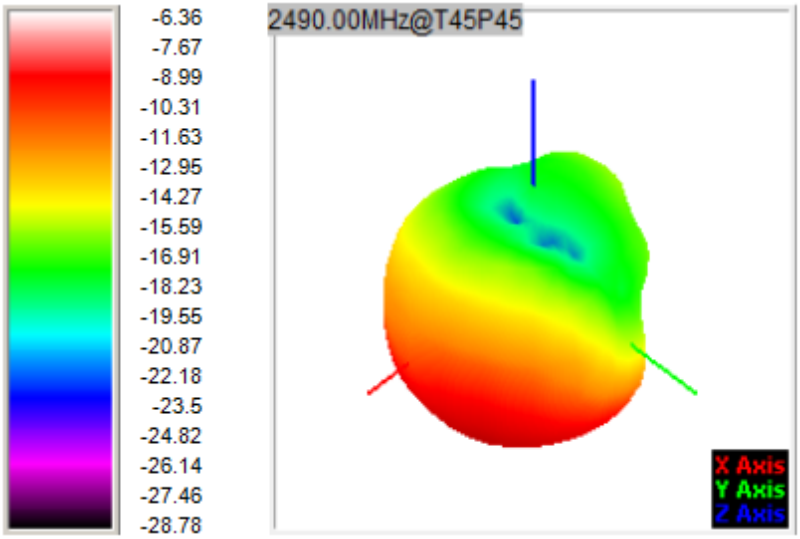
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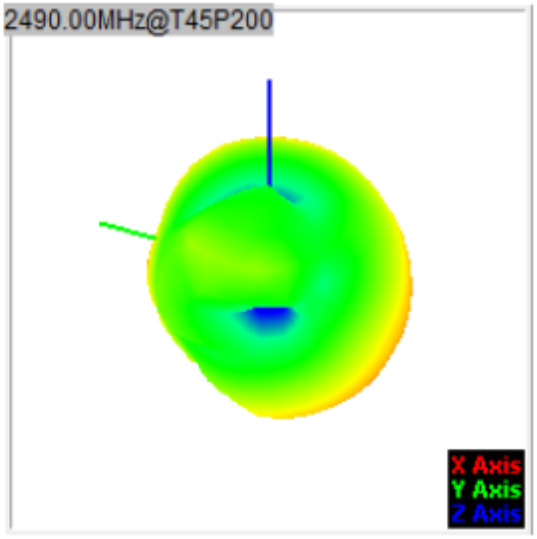
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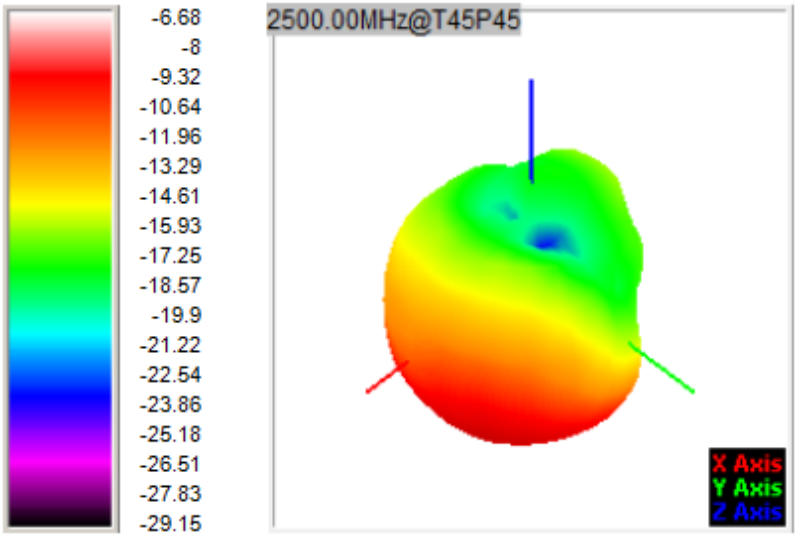
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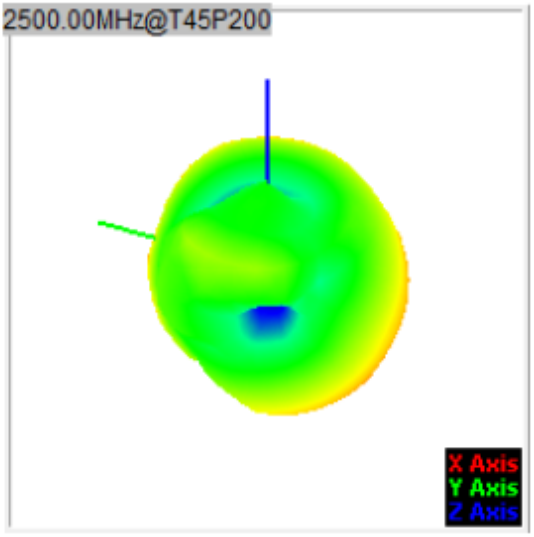
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